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publication:(71) Applicant: **HATAKEYAMA NORIHITO**  
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states:

**(54) PROTECTION DEVICE  
FOR PREVENTING EXCESS  
BACKWARD BENDING OF  
HAND JOINT AND GLOVE  
HAVING THE SAME BUILT  
IN**

(57) Abstract:

PROBLEM TO BE SOLVED: To make injury to wrists as light as possible if the user, when doing work or sports in which great loads may be applied in the bending direction of wrists, particularly when overturned while snowboarding, falls on hands

and is wounded under large impact.

SOLUTION: This hand joint protection device is built into a glove, and a hand-back fixed plate 1, a forearm-back solid plate 2, and a spring 3, which are made of metal or plastics form a hinge 4 through a hinge pintle 10, each of the solid plates having the round 5 of an edge and an anatomical curve 8 and extension 9. The device also consists of a rubber plate 7 serving also as a buffer against the skin surface. Also, a wedge may be provided in order to limit the curving angle of the hinge 4.

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